

Title (en)

METHOD FOR PREDICTING LIFE EXPECTANCY OF MATERIALS

Publication

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Application

EP 88730047 A 19880302

Priority

JP 5026987 A 19870306

Abstract (en)

[origin: EP0287501A2] A new method for predicting life expectancy of a metal part used under stress is disclosed. A particular crystal on a polished surface of the part is selected and studied with its electron channeling pattern image to find how much strain is accumulated on a crystal scale. The quality of the image is quantified so that a straightforward relationship between the image quality and strain is found and used to determine the timing of replacement of the part.

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Cited by

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